

20020817.qrp v02_n650.qrl.20020817

Date: Sat, 17 Aug 2002 19:03:06 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2650

QRP-L Digest 2650

Topics covered in this issue include:

- 1) [132619] Reverse Polarity
by "Tom Dufresne" <tdufres@hotmail.com>
- 2) [132620] Internet RADIO?
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 3) [132621] FOX: Preliminary report
by "Marshall Emm" <mgemm@mtechnologies.com>
- 4) [132622] HB: Deluxe Direct Conversion Receiver
by Steven Weber <kd1jv@moose.ncia.net>
- 5) [132623] Fwd: 12th OQRPC: ur log listed?
by dl6aaf@t-online.de (Uwe Meier)
- 6) [132624] Re: FOR SALE : Elecraft K1 SOLD
by "David Durant" <n4xce@bellsouth.net>
- 7) [132625] Re: FOX: Preliminary report
by "George, W5YR" <w5yr@att.net>
- 8) [132626] Re: Resistor question
by Fran Flynn <fflynn@adelphia.net>
- 9) [132627] Re: HB: Deluxe Direct Conversion Receiver
by David Hinerman <WD8CIV@worldnet.att.net>
- 10) [132628] Re: Reverse Polarity
by David Hinerman <WD8CIV@worldnet.att.net>
- 11) [132629] Rock-Mite DC Voltage Measurements
by Chuck Adams <k7qo@earthlink.net>
- 12) [132630] Dweeb Question re KD1JV web schematic
by Chuck Adams <k7qo@earthlink.net>
- 13) [132631] Re: Rock-Mite DC Voltage Measurements
by "George, W5YR" <w5yr@att.net>
- 14) [132632] Re: 901 DM station
by IamSF5@aol.com
- 15) [132633] Re: Dweeb Question re KD1JV web schematic
by MIKE SOUHRADA <wb9iog@revealed.net>
- 16) [132634] Re: Battery Charging Article using a lamp?
by Fran Flynn <fflynn@adelphia.net>
- 17) [132635] Re: Dweeb Question re KD1JV web schematic
by MIKE SOUHRADA <wb9iog@revealed.net>
- 18) [132636] Re: Rock-Mite DC Voltage Measurements
by "Mike Yetsko" <myetsko@insydesw.com>
- 19) [132637] Re: Battery Charging Article using a lamp?

by Fran Flynn <fflynn@adelphia.net>

20) [132638] Re: Use magnetic resonant energy to power your rig!
by "Max Moon" <maxmoon@umn.edu>

21) [132639] Re: Rock-Mite DC Voltage Measurements
by Bob W7AVK <rsrolfne@atnet.net>

22) [132640] Rock Mite enclosure question?
by "Glenn Maclean" <wa7spy@attbi.com>

23) [132641] FOX:Audio Clips Updated...N1FN added
by "Trevor Jacobs" <kg6cyn@earthlink.net>

24) [132642] OT:Looking for a chip (and a question)
by Mark Fields <mark_ke5my@juno.com>

25) [132643] Re: Dweeb Question re KD1JV web schematic
by "Mark J. Dulcey" <mark@buttery.org>

26) [132644] W3C International Lighthouse Lightship Weekend August 17 & 18
by "Ron Polityka" <wb3aal@fast.net>

27) [132645] Re: Rock-Mite DC Voltage Measurements
by Ingo Meyer DK3RED <dk3red@gmx.net>

28) [132646] rock-mite
by "carl seyersdahl" <carlseye@tampabay.rr.com>

29) [132647] Trade Brown Bros. Paddle
by N4SKS@cs.com

30) [132648] GA-AT Activation Planned for this afternoon 8/17/02 12PM - 6PM
EDST @ Woody Gap, GA
by "Sam Billingsley" <sambillingsley@earthlink.net>

31) [132649] Trade.... Bannished to closet
by N4SKS@cs.com

32) [132650] RE: Dweeb Question re KD1JV web schematic
by Nick Kennedy <nkennedy@tcainternet.com>

33) [132651] Re: Rock Mite enclosure question?
by "Rod N0RC" <rod@n0rc.us>

34) [132652] RE: It's Crystal Clear (first filter) (1,464 words)
by Nick Kennedy <nkennedy@tcainternet.com>

35) [132653] UPDATED: the "Rock-Mite" file
by "Rod N0RC" <rod@n0rc.us>

36) [132654] RE: QRPacificon Building Contest Announcement--SIP Socket?
by Nick Kennedy <nkennedy@tcainternet.com>

37) [132655] Re: rock-mite
by "Mike Yetsko" <myetsko@insydesw.com>

38) [132656] Re: Trade Brown Bros. Paddle/Endorsement
by MIKE SOUHRADA <wb9iog@revealed.net>

39) [132657] RE: rock-mite
by "KD5NWA" <KD5NWA@mbayona.com>

40) [132658] RE: QRPacificon Building Contest Announcement--SIP Socket?
by "Doug Hendricks" <ki6ds@dospalos.org>

41) [132659] AE4GX on AT
by "Jeff Davis" <ke9v@att.net>

42) [132660] Re: Trade Brown Bros. Paddle/Endorsement
by Thom LaCosta <baltimoremd@baltimoremd.com>

- 43) [132661] Re: AE4GX on AT
by "K7FD N7SG" <k7fd@hotmail.com>
- 44) [132662] Components at Radio Shack??
by "Doug Hauff" <dhauff@digitalputty.com>
- 45) [132663] MityBox progress/Controls
by "Doug Hauff" <dhauff@digitalputty.com>
- 46) [132664] Re: Dweeb Question re KD1JV web schematic
by "Bob Tellefsen" <n6wg@earthlink.net>
- 47) [132665] Re: Dweeb Question re KD1JV web schematic
by "Karl F. Larsen" <k5di@zianet.com>
- 48) [132666] Re: Components at Radio Shack??
by "John J. McDonough" <wb8rcr@arrl.net>
- 49) [132667] (Fwd) Nontesting - for beginners
by W2AGN <w2agn@w2agn.net>
- 50) [132668] Re: QRPacificon Building Contest Announcement--SIP Socket?
by "John J. McDonough" <wb8rcr@arrl.net>
- 51) [132669] Trade tuner
by N4SKS@cs.com
- 52) [132670] More stuff to sell or trade for QRP gear
by skydive@runswithscissors.us
- 53) [132671] Re: [Components at Radio Shack??]
by "P.Ermisch" <ermisch@usa.net>
- 54) [132672] Re: MityBox progress/Controls
by "Doug Hauff" <dhauff@digitalputty.com>
- 55) [132673] MityBox components
by "Doug Hauff" <dhauff@digitalputty.com>

Date: Fri, 16 Aug 2002 20:40:02 +0000
From: "Tom Dufresne" <tdufres@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [132619] Reverse Polarity
Message-ID: <F110gWd8kkt5AW3g1Dq00025a7c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks to all who answered my query regarding reverse polarity
(Still just a stupid newbie, I guess)
Tom

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Fri, 16 Aug 2002 18:24:16 -0500
From: "Stuart Rohre" <rohrer@arlut.utexas.edu>
To: <qrp-l@lehigh.edu>, <brad.mugleston@attbi.com>
Subject: [132620] Internet RADIO?
Message-ID: <004701c2457c\$09fc0dd0\$4e100a0a@rohredt2000>

Brad,

Those Linux web writer types at that link, obviously don't understand what is behind their computer front panel.

Internet is a wired computer networking protocol. A radio is a device for picking up an electromagnetic wave out of the air. Unless the internet they are talking about is broadcast over a wireless modem, you would not use a radio circuit to decode it. And the wireless modem is only good for 30 feet or so, so it would be as easy to use a computer as the Internet is intended to use it. You would need a computer anyway to translate the internet protocol and all its layers down to the audio content of the web broadcast.

I think those guys who wrote that were sniffing some old computer tapes and kind of went off in left field. It is copyrights and music ownership that is limiting web broadcasting, the same thing that got Napster, property rights. Money, need to advertise, etc.

72,

Stuart K5KVH

Date: Fri, 16 Aug 2002 17:32:00 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qRP-L@lehigh.edu
Subject: [132621] FOX: Preliminary report
Message-ID: <3D5D3710.31800.180792B@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Hi, Guys-- I'll try to get the log punched up this weekend, but wanted to report that it was a bizarre Foxhunt from this end anyhow. At one point that thud you heard was the band slamming shut-- it was if someone had thrown a switch. I actually checked my rig, antennas, etc. before concluding it was just "condx." Had one DX QSO, Seva in Sochi, and wangled the necessary info out of him. Another memorable one was a signal that went from S1 to S7 during the guy's two repetitions of his callsign, then nothing when I replied to him.

Still, if it were always easy it wouldn't be worth doing [g].

I didn't even do a rough QSO count, but a page count says somewhere around 60. Have to say it was the hardest I've ever worked as a Fox[the blood, sweat, and tears will make it hard to read the log! But it was all the more rewarding for that....

Thanks to all who participated, and especially those who tried but didn't make it into the log. And good luck in the remaining hunts!

73

Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>
(303)752-3382
--

Date: Fri, 16 Aug 2002 18:33:51 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [132622] HB: Deluxe Direct Conversion Receiver
Message-ID: <3.0.6.32.20020816183351.007a7690@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just put up the schematic and discription for a deluxe DC Rx on my web page. Uses a 74HC4053 as a mixer and is virtually immune to AM SWBC pick up. Also uses a unique heterodyned VFO built around a 74HC00 NAND gate. At least I've never seen anything quite like it before!

direct link: <http://www.qsl.net/kd1jv/dcrx.HTM>

72,
Steve, KD1JV
"Melt Solder"

White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sat, 17 Aug 2002 01:46:36 +0200
From: dl6aaf@t-online.de (Uwe Meier)
To: qrp-1@lehigh.edu
Subject: [132623] Fwd: 12th OQRPC: ur log listed?
Message-ID: <200208162346.BAA01220@joringel.t-online.de>

From: DJ7ST @ DB0ABZ.#NDS.DEU.EU (Hartmut)
To: OQRPWW @ DB0ABZ.#NDS.DEU.EU

Dear OQRPC-friends,

if you did participate in the 12th ORIGINAL-QRP-CONTEST at 6/7-July but do not find your call on the following list means that your log did not arrive. If so please send another log immediately.

By the way: 7% of the logs were sent by e-mail, also 7% by packet radio.

9A3ML	DL2DWP	HB9JBO
DF0IR	DL2DYL	HB9RE
DF2HL	DL2HRF	HG9M
DF2SJ	DL2HWW	I1BAY
DF4FA	DL2NH	I1NVU
DF5LW	DL3AKF	I2AZ
DF8BB	DL3ZAI	IK6FPT
DJ0GD	DL4LAC	LZ1IQ
DJ1KAI	DL4LBB	LZ2ITU
DJ3AX	DL4LCA	M0AVN
DJ3KK	DL4VBN	OH2JXA
DJ3LR	DL5ANS	OH7QR
DJ3XG	DL5JAN	OK1AAZ
DJ3XK	DL5SCU	OK1DMP
DJ4VP	DL5SE	OK1DZD
DJ5AA	DL6AAF	OK2BTT
DJ6FO	DL6CGC	OK2PBM/p
DJ6OZ	DL7AQT/p	OM3TY/p
DJ6UB	DL7AXM	ON4KAR
DJ7ST	DL7UWE	ON5JD
DK0SZ	DL7VPE/p	ON6NW
DK0VLP	DL8ABH	OZ/DL8ABH
DK1LG	DL8GN	OZ3AAA
DK1LG	DL8LRZ	OZ7BQ
DK2SH	DL8UAW	OZ9KC
DK3BN	DL9CE	OZ9QM

DK3KD	DL9GWA	PA/DL9ZBN
DK3RED	DL9OE	PA0ANK
DK3UZ	DL9QM	PA0ATG
DK4CU	DM3FZN	PA0FEI
DK7BK	DM3SWD	PA0RBO
DK8SX	EA1KC	PA0RDT
DK9EA	EA3EZO	PA2WJZ
DK9KR	EA40A	PA3AFF
DL0NZ	F/DL4IW	PA3FSC
DL0SGN	F5IQJ	PA3HBX
DL1ARH	F5NYK	PA7KAT
DL1AVD	F6ABI	PA9RZ
DL1AZK	F6ACD	S59NA
DL1EH	G0KRT	SM/DJ7RL
DL1HTX	G3VIP	SM5DQ
DL1JAK	G4HSO	SP3BOL
DL1JGA	G8IB	SP6LV
DL1KAS	GM4BKV	UN7EX
DL1SKK	HA8DL	UR5GJP
DL1YCF	HA8LNT	UR7EQ
DL2BXC	HB9DEO	Y04AAC
DL2DSD	HB9HQX	Y06EX/p
	YU7LS	

73/2 Hal, DJ7ST

Date: Fri, 16 Aug 2002 18:39:34 -0500
 From: "David Durant" <n4xce@bellsouth.net>
 To: <qrp-l@lehigh.edu>
 Subject: [132624] Re: FOR SALE : Elecraft K1 SOLD
 Message-ID: <001401c2457e\$2d917b20\$15a79d42@workstation>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Elecraft SOLD.thanks to all who replied

Date: Fri, 16 Aug 2002 19:17:07 -0500
 From: "George, W5YR" <w5yr@att.net>
 To: mgemm@mtechnologies.com
 Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
 Subject: [132625] Re: FOX: Preliminary report

Message-ID: <3D5D9603.49EBDD69@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gee, ET, you should have heard it from this end! <:}

Ordinarily, C0 is touch and go this close in on 20 at 0200 but you were relatively strong here. Even at 0330 or so you were still readable.

Tom, on the other hand, was never heard as a coherent signal at this location near Dallas. Occasional bits of fairly high-speed code on 14055.000 (managed to copy his callsign once!) and one or two simplex Q's on that frequency was about all that was heard here.

Anyway, thanks to you and to Tom for making an effort, but I guess that we were asking a lot of 5 watts and fairly unsophisticated antennae when the band was virtually dead.

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Marshall Emm wrote:

>
> Hi, Guys-- I'll try to get the log punched up this weekend, but wanted to
> report that it was a bizarre Foxhunt from this end anyhow. At one point that
> thud you heard was the band slamming shut-- it was if someone had thrown a
> switch. I actually checked my rig, antennas, etc. before concluding it was
> just "condx." Had one DX QSO, Seva in Sochi, and wangled the necessary info
> out of him. Another memorable one was a signal that went from S1 to S7 during
> the guy's two repetitions of his callsign, then nothing when I replied to him.
> Still, if it were always easy it wouldn't be worth doing [g].
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> I didn't even do a rough QSO count, but a page count says somewhere around 60.
> Have to say it was the hardest I've ever worked as a Fox[the blood, sweat, and
> tears will make it hard to read the log! But it was all the more rewarding for
> that....
>
> Thanks to all who participated, and especially those who tried but didn't make
> it into the log. And good luck in the remaining hunts!

Date: Fri, 16 Aug 2002 21:42:11 -0400

From: Fran Flynn <fflynn@adelphia.net>
To: qrp-l@lehigh.edu
Subject: [132626] Re: Resistor question
Message-ID: <3D5DA9F3.5020709@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

If it runs that hot even without being in the path of air flow as I expect it should be mounted, I would suspect other problems like a bad fan motor, which is most likely why the first resistor failed open. Since this is a *car repair* question and this is the QRP radio list, can we now move on to something else and let this thread drop? Thank you.

Fran, KM1Z

Date: Thu, 15 Aug 2002 17:54:15 -0400
From: Rick McKee <kc8aon@juno.com>
To: IamSF5@aol.com, qrp-l@lehigh.edu
Subject: [132541] Re: Resistor question
Message-ID: <20020815.184015.8878.1.kc8aon@juno.com>

HOW DO YOU KNOW THE RESISTOR IS TURNING ORANGE ? YOU SHOULDN'T BE ABLE TO SEE IT WHEN IT'S IN OPERATION !

Date: Fri, 16 Aug 2002 21:55:43 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [132627] Re: HB: Deluxe Direct Conversion Receiver
Message-ID: <5.1.0.14.1.20020816215429.00b1ba40@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:33 PM 8/16/2002 -0400, you wrote:
>Just put up the schematic and discription for a deluxe DC Rx on my web
>page. Uses a 74HC4053 as a mixer and is virtually immune to AM SWBC pick
>up. Also uses a unique heterodyned VFO built around a 74HC00 NAND gate. At
>least I've never seen anything quite like it before!
>
>direct link: <http://www.qsl.net/kd1jv/dcrx.HTM>

Steve,

That looks like a really interesting circuit. How's the stability of the VF0?

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Fri, 16 Aug 2002 21:46:03 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [132628] Re: Reverse Polarity
Message-ID: <5.1.0.14.1.20020816214451.00b27bd0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>(Still just a stupid newbie, I guess)

Nonsense. There's a big difference between inexperience and stupidity.

Stupidity is incurable.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Sat, 17 Aug 2002 02:05:48 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [132629] Rock-Mite DC Voltage Measurements
Message-ID: <5.1.0.14.0.20020817013818.009efa60@mail.earthlink.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

As the advertisement says ---- mileage may vary. So this is not rocket science and some variation like 5 or 10 per cent may be OK and your xcvr will still work. But if measurements are way off then you may be able to rapidly locate the problem by looking at the schematic and where voltages seem to have a problem.

And another word of warning. Use a DMM with a high internal resistance so as not to affect the measurements. The old Simpson analog meter will not do here. And make sure that you are alert at all times. Use a small probe as a large probe tends to slide and short the highest voltage in the system to ground and the highest current flows through the most expensive part on the board. Something to do with Murphy's Law I'm sure. :-) Been there. Done that.

These measurements were made using a gel-cell at 12.27V and I have a 1N4003 Silicon diode in series with the input voltage to prevent a battery connected incorrectly from generating high currents and destroying parts. So, if you do not have a series diode or are using a low voltage drop across a Schottky diode (a.k.a. hot-carrier diode) your voltages will be slightly higher at some points than mine. No big deal other than I only get 250mW out and you may be getting 400mW or more output on transmit. None of the voltages shown below are done with the rig in transmit mode..... I am using a Protek D-930A Pocket-II DMM that has an internal resistance approaching 1Meg ohm.

These shown to help those having problems and FYI. And here's hoping that I didn't make any typos.

B+ input 12.27V
V+ line 11.53V

Dot/Dash lines 5.13V

U3 (12C508A) IC pins
 pin 1 -- 5.14V
 pin 2 -- 0.00V
 pin 3 -- 0.10V
 pin 4 -- 5.11V
 pin 5 -- 0.10V
 pin 6 -- 5.13V
 pin 7 -- 5.13V
 pin 8 -- 0.10V

U2 (LM1458) IC pins
pin 1 -- 10.90V
pin 2 -- (non-steady reading)
pin 3 -- (non-steady reading)
pin 4 -- 0.00V
pin 5 -- 3.96V
pin 6 -- 3.96V
pin 7 -- 4.01V
pin 8 -- 11.48V

The following components are assumed to be inserted as per Dave Benson's instructions and the parts layout diagram. Those that you do not see listed here are due to my possibly inserting them in differently for neatness and appearance.

Voltages measured on the top lead of the part.

D1 -- 7.5mV
D2 -- 0.0V
D3 -- 5.14V
D5 -- 7.50V

D8 -- 4.48V (banded end)
D7 -- 11.86V (banded end)

R1 -- 5.15V
R3 -- 3.96V (left hand side)
R3 -- 3.98V (right hand side)
R4 -- 3.96V
R5 -- 4.01V
R7 -- 4.01V
R9 -- 7.51V
R11 -- 11.49V
R12 -- 3.31V
R14 -- -0.01V
R17 -- 11.81V
R18 -- 11.86V

Again, pay attention while you are doing this. Get someone to read the meter if you need to concentrate on holding the leads to test points. It is easy to slip and mess up a \$25 rig or even more expensive ones. Show your kids how important math and numbers are. :-) Science rules ---- Bill Nye the Science Guy.

FYI

dit dit

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Sat, 17 Aug 2002 02:17:52 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [132630] Dweeb Question re KD1JV web schematic
Message-ID: <5.1.0.14.0.20020817021406.009efab0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I use Netscape 4.7 and sometimes 6.0 (the latest version I don't care for as it is too busy on the display --- what happened to KISS?).

On Steve Weber's page when I print it with Netscape 4.7 the schematic comes out truncated on the right hand side and the bottom as the schematic comes out on the bottom of the first page.

With Netscape 6.0 the schematic does not appear at all.

All schematics that I post on the web pages are done in PDF format to allow printing without the cropping effect that a lot of software seems to have built in. Is there a way to get around this problem?

Inquiring minds wanna know. Without having to learn more that I want to know. :-)

dit dit es tnx,

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Fri, 16 Aug 2002 21:25:00 -0500
From: "George, W5YR" <w5yr@att.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132631] Re: Rock-Mite DC Voltage Measurements
Message-ID: <3D5DB3FC.71C1ED07@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What about putting a switch across the diode *after* connecting the power supply and verifying that it is connected with correct polarity? A small LED would light when the polarity was correct and not light if it was backward. The diode and LED have done their job and serve no further purpose once the supply is correctly connected except to drop needed voltage and draw additional current.

Of course, one must be alert to have the switch in the proper (open) position when attaching the power supply. Probably if he/she is that alert, he/she would not connect the supply backwards in the first place . . .
<:}

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Date: Fri, 16 Aug 2002 23:15:21 EDT
From: IamSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [132632] Re: 901 DM station
Message-ID: <89.1c6ac8bf.2a8f19c9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks to all who responded.
The entire 901 DM station was sold tonight.
I went to a ham in Southern MD. and he drove up so that saved me a lot of packing.
Bob
AF2Q

Date: Fri, 16 Aug 2002 22:29:35 -0500
From: MIKE SOUHRADA <wb9iog@revealed.net>
To: k7qo@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132633] Re: Dweeb Question re KD1JV web schematic
Message-ID: <3D5DC31F.AFE89F26@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck Adams wrote:
>> I use Netscape 4.7 and sometimes 6.0

Don't use either for printing then.
Save the page to documents file and work from there.
Xnview from BAMA works very well.
Also Paper Port another good file printer.
Or simply use the printer capability from the operating system
and set the size from the saved file to fit the paper.
What printer?

Be nice If I know who and where Steve Webber's page is.
Only then it is possible to replicate what you are doing.
Running 4.7 also tried 6.2 and dumped it. Made for kids.

Mike
Iowa

> With Netscape 6.0 the schematic does not appear at all.
Preferences set ??

> <http://www.qsl.net/k7qo>

Date: Sat, 17 Aug 2002 00:43:27 -0400
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-1@lehigh.edu
Subject: [132634] Re: Battery Charging Article using a lamp?
Message-ID: <3D5DD46F.7060102@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I built a voltage doubling current regulated charger just for charging 12v 7AH SLA batteries from a 12 volt or less source. SLA means sealed lead acid, as opposed to gel-cell. They are not the same, contrary to popular belief.

It may be not all that a charger could be, it's not what you would call a 'smart charger', in other words it doesn't know when to quit. If you don't pull off the battery after it's charged, it can dry out your battery.

But it does provide the correct voltage and current to fully charge a 7 AH SLA. The LED lights to indicate when the battery is charged.

This is a voltage doubler and current limiter, there is no reason why you couldn't use a light bulb for a current limiter instead of my circuit using a LM317. But the kinder you are to your battery, the longer it will last.

What this circuit allows you to do is charge a battery from a 14.7 volt, current regulated source which has been converted from a DC source of 11 to 15 volts.

I would say that the zener diode and the adjustment of the potentiometer are about the only critical things, that and pulling the battery off the charger within an hour or two of the LED lighting up, indicating that the battery is at it's 'terminal charge voltage' of about 13.8v.

It's on the web:

<http://home.adelphia.net/~fflynn/sla.html>

Date: Fri, 16 Aug 2002 09:05:03 -0500
From: "Walter AG5P" <walter@accessus.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132589] Re: Battery Charging Article using a lamp?
Message-ID: <001401c2452d\$eb55aa60\$5e476ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

Wondering if someone can help on this charging problem.
The hamshack is powered by two motorcycle batteries, and

working very well for 4 years this month on the same two batteries. They are trickle charged (one at a time) from a 1 amp regular car battery charger.

Date: Fri, 16 Aug 2002 23:22:38 -0500
From: MIKE SOUHRADA <wb9iog@revealed.net>
To: k7qo@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132635] Re: Dweeb Question re KD1JV web schematic
Message-ID: <3D5DCF8E.12E79DDB@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck Adams wrote:

I'm guessing a bit that you mean the Analog audio processor board?

Tried (.gif) file with Microsoft Photo editor after a save file works fine.

Also works great with Xnview. I prefer this one.

Mike
Iowa

Date: Sat, 17 Aug 2002 00:38:14 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [132636] Re: Rock-Mite DC Voltage Measurements
Message-ID: <005d01c245a7\$f4635240\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> What about putting a switch across the diode *after* connecting the power
> supply and verifying that it is connected with correct polarity? A small

> LED would light when the polarity was correct and not light if it was
> backward. The diode and LED have done their job and serve no further
purpose
> once the supply is correctly connected except to drop needed voltage and
> draw additional current.

Well, what about a turn on circuit that is protected with the series
diode,
and once the turnon circuit powers up, it uses a fet to bypass itself with
a very low voltage drop, latches the circuit on, and then gets out of the
way.

Or... How about a 'latching relay' configured so that if the rig is power
backwards, the relay opens. But if powered correctly, it latches closed
and then gets out of circuit except for the contacts...

Mike

Date: Sat, 17 Aug 2002 00:49:21 -0400
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-l@lehigh.edu
Subject: [132637] Re: Battery Charging Article using a lamp?
Message-ID: <3D5DD5D1.6060003@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Oh yeah, one more thing about the doubler - charger, it's a square wave
oscillator and it
will generate RF garbage to QRM your rig when it's on, so don't try to
operate while your
battery is charging unless you like ''birdies'' all over the band.

-FF km1z

Date: Fri, 16 Aug 2002 23:23:31 -0500
From: "Max Moon" <maxmoon@umn.edu>
To: <qrp-l@lehigh.edu>

Subject: [132638] Re: Use magnetic resonant energy to power your rig!

Message-ID: <002301c245a5\$d8deddc0\$9739fea9@computer>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

On this topic, I remember a court case from my younger years (around 1960). It seems that the local power company noticed that one customer had mysteriously stopped consuming any electricity at all. It turned out that the fellow's house was below some of the very high voltage lines that run from the Columbia River hydro plants to Western Washington. The utility reported their customer to, as I recall, the Bonneville Power Administration. They brought charges and won a conviction for theft of electric energy via magnetic flux. Apparently the guy had put a wire loop & and a little bit of circuitry in his attic and gotten everything he needed out of thin air, so to speak. Gives a whole new meaning to "living off the grid".

Max, k0max

Date: Fri, 16 Aug 2002 21:16:26 -0700

From: Bob W7AVK <rsrolfne@atnet.net>

To: w5yr@att.net

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [132639] Re: Rock-Mite DC Voltage Measurements

Message-ID: <3D5DCE1A.AF107E0A@atnet.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

George - If you are concerned about the voltage drop of a series diode there is another way to get the same reverse polarity protection. You can connect a small fuse in series with the 12 volt line. Then connect any small power diode "back wards" between the junction of the fuse output and power input of the rig and ground.

This way if the the correct voltage polarity is applied the diode is back biased and nothing happens. But if incorrect polarity is applied the diode will pull almost a short and blow the fuse fast. Not as fail safe as a series diode, but very little drop in the fuse.

Only my \$0.02

BTW - My Rock-Mite is on order. We'll be looking for you in a few weeks.

73 Bob W7AVK

"George, W5YR" wrote:

> What about putting a switch across the diode *after* connecting the power
> supply and verifying that it is connected with correct polarity? A small
> LED would light when the polarity was correct and not light if it was
> backward. The diode and LED have done their job and serve no further purpose
> once the supply is correctly connected except to drop needed voltage and
> draw additional current.
>
> Of course, one must be alert to have the switch in the proper (open)
> position when attaching the power supply. Probably if he/she is that alert,
> he/she would not connect the supply backwards in the first place . . .
> <:}
>
> 73/72/oo, George W5YR - the Yellow Rose of Texas
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> Amateur Radio W5YR, in the 56th year and it just keeps getting better!
> QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
> Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Date: Fri, 16 Aug 2002 22:31:04 -0700
From: "Glenn Maclean" <wa7spy@attbi.com>
To: <qrp-l@lehigh.edu>
Subject: [132640] Rock Mite enclosure question?
Message-ID: <000b01c245af\$483f5a60\$6601a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I ordered a Rock Mite and waiting for it to show up. I was in a Target store today and saw a tin of gum called Everest Powerful Mint GUM. The tin is slightly smaller and narrower than an Altoids tin. Does anyone know if the Rock Mite will fit in this tin?

Thanks,
Glenn WA7SPY

Date: Fri, 16 Aug 2002 23:13:33 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <mgemm@mtechnologies.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132641] FOX:Audio Clips Updated...N1FN added
Message-ID: <014501c245b5\$37ac21a0\$869fb2d1@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Not a great recording, but I did get one of Marshall. Noise level here was a bit extreme for a lot of the evening here and signals were up and down. Hopefully we'll get some good propagation for the next hunts. Check the web page for the sound byte. Thanks to both FOXII!!!

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

Date: Sat, 17 Aug 2002 01:18:47 -0500
From: Mark Fields <mark_ke5my@juno.com>
To: hqrp@stevens.com
Cc: qrp-l@lehigh.edu, fpqrp@fpqrp.com
Subject: [132642] OT:Looking for a chip (and a question)
Message-ID: <20020817.021834.-299749.0.mark_ke5my@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am looking for a 486DX2-66 processor chip. Does anyone have one that they don't need? Also, does that chip use the same voltage as the 486DX33, or is a different voltage needed? Please reply off-list. Thanks in advance.

73, Mark

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<http://dl.www.juno.com/get/web/>.

Date: Sat, 17 Aug 2002 02:57:26 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: k7qo@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132643] Re: Dweeb Question re KD1JV web schematic
Message-ID: <3D5DF3D6.5000700@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Chuck Adams wrote:

>
> Gang,
>
> I use Netscape 4.7 and sometimes 6.0 (the latest version I don't
> care for as it is too busy on the display --- what happened to KISS?).

Try Mozilla 1.0. If you choose the Classic mode (in the Themes area of the Edit:Preferences dialog) and close the sidebar (View:Show/Hide:Sidebar in the menus, or just type F9), it's no busier than Netscape 4.7.

Netscape 6.0 is really an early beta version of Mozilla with some extra Netscape software (such as IM) thrown in. It has some significant problems. 6.2 is somewhat better. If you really want the Netscape stuff, I'd recommend getting the beta of 7.0. As for me, I prefer to avoid the extra stuff that new versions of Netscape want to clutter my system with.

> On Steve Weber's page when I print it with Netscape 4.7 the schematic
> comes out
> truncated on the right hand side and the bottom as the schematic
> comes out on the bottom of the first page.
>
> With Netscape 6.0 the schematic does not appear at all.
>
> All schematics that I post on the web pages are done in PDF format
> to allow printing without the cropping effect that a lot of software
> seems to have built in. Is there a way to get around this problem?

Right click on the schematic (hold-click for you Mac folks). Choose "Save Image As", and store it on your system. Use your favorite image editor to print the schematic. You should be able to scale and rotate it

to fit on a page.

PDF does make printing a bit easier, because the Acrobat Reader has the ability to automatically scale pages to fit on your printer, and automatically changes the paper orientation to suit the page. But it's more of a pain to produce, usually takes longer to download, and requires the installation of a plugin (which doesn't work with all browsers) for viewing in the browser.

Date: Sat, 17 Aug 2002 04:16:18 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [132644] W3C International Lighthouse Lightship Weekend August 17 & 18
Message-ID: <000e01c245c6\$5d847c40\$e0f15cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

This weekend, August 17 & 18, is the International Lighthouse and Lightship Weekend. Look for a group of EPA QRP Club members operating W3C from the Chesapeake Lightship in Baltimore, MD. This will be a QRO operation on CW, SSB & PSK31.

Check out the Special Event section on the www.n3epa.org web site for more information.

72
Ron de WB3AAL
www.n3epa.org/
ARLHS #423

Date: Sat, 17 Aug 2002 11:15:27 +0200
From: Ingo Meyer DK3RED <dk3red@gmx.net>
To: qrp-l@lehigh.edu
Subject: [132645] Re: Rock-Mite DC Voltage Measurements
Message-ID: <5.1.1.6.1.20020817111223.009f18e0@pop.gmx.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Mike,

>Or... How about a 'latching relay' configured so that if the rig is power
>backwards, the relay opens. But if powered correctly, it latches closed
>and then gets out of circuit except for the contacts...

The latching relay (like all other ones) need a small time for switching
from "on" to "off". May be these time are to long for the circuit. A normal
diode is faster.

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Sat, 17 Aug 2002 07:22:08 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132646] rock-mite
Message-ID: <005e01c245e0\$52c617e0\$d2af2341@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Do it just the opposite way, use a latching relay, with a diode in the coil
line such that the relay will not close if the polarity is wrong. The govt.
used this in many radios of years gone by !!!!!It requires two pushbuttons,
one normally open, to close the coil ckt to turn it on , the other a
normally closed , in series with the latching contacts, to open the ckt. to
turn it off. works fine , try it !!!

carl / kz5ca

----- Original Message -----

From: "Ingo Meyer DK3RED" <dk3red@gmx.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, August 17, 2002 5:15 AM
Subject: Re: Rock-Mite DC Voltage Measurements

> Hello Mike,

>

> >Or... How about a 'latching relay' configured so that if the rig is
power

> >backwards, the relay opens. But if powered correctly, it latches closed
> >and then gets out of circuit except for the contacts...
>
> The latching relay (like all other ones) need a small time for switching
> from "on" to "off". May be these time are to long for the circuit. A
normal
> diode is faster.
>
> 72/73 de Ingo, DK3RED Don't forget: the fun is the power!
>
> dk3red@t-online.de <http://www.t-online.de/~dk3red>
> DL-QRP-AG #824 <http://www.dl-qrp-ag.de>
>
>

Date: Sat, 17 Aug 2002 08:44:46 EDT
From: N4SKS@cs.com
To: qrp-l@lehigh.edu
Subject: [132647] Trade Brown Bros. Paddle
Message-ID: <10d.168f9ab5.2a8f9f3e@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have a nice Brown Bros. Mach. Co. Model BTL paddle . It is in very nice
condx but not mint. It has the black crinkle base with chrome levers and red
paddles . I would like to trade this very nice paddle for a QRP rig on any
band except 40 meters . Any offers ? Could add cash ...value of key about
\$60.00 and have original paper work here someplace. Thanks . send direct only
please.

Les K4NK

Date: Sat, 17 Aug 2002 08:42:40 -0400
From: "Sam Billingsley" <sambillingsley@earthlink.net>
To: <ATRAIL@yahoogroups.com>
Cc: <qrp-l@lehigh.edu>, <nogaqrp@mailman.qth.net>
Subject: [132648] GA-AT Activation Planned for this afternoon 8/17/02 12PM - 6PM
EDST @ Woody Gap, GA
Message-ID: <000901c245eb\$959a8c80\$6401a8c0@BIGBOX>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Getting ready for trip.

Will be using Georgia Sierra @ 1watt Bands 40/20/15/80(3.868)

If you're checking a map it's very near(abt 1 mile SE) of Suches, GA

Sam AE4GX

Date: Sat, 17 Aug 2002 09:16:48 EDT
From: N4SKS@cs.com
To: qrp-1@lehigh.edu
Subject: [132649] Trade.... Bannished to closet
Message-ID: <13.1018c144.2a8fa6c0@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have just moved to a new parsonage and find I have only a closet type room for gear. I have some QRO gear (all in good shape) I would be interested in trading for QRP . Trade all as a package or what ever.
Kenwood TS-820D ; Kenwood TS-130s w/vfo -120 ; Kenwood TS-530sp
Any interest please e-mail direct Thank You.

Les K4NK

Date: Sat, 17 Aug 2002 08:29:08 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'k7qo@earthlink.net'" <k7qo@earthlink.net>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132650] RE: Dweeb Question re KD1JV web schematic
Message-ID: <01C245C8.28761C00.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

The simplest method I've found for controlling the size of image printouts is to import 'em to good old Microsoft Word, believe it or not.

If it's on a web site and is a GIF, JPG or BMP, I'll right click from Internet Explorer and save to disk. Then start up Word and choose Insert | Picture | From File. Word is often smart enough to size it correctly from the start. When that doesn't work, I just resize it to fit the page. Choose page setup for landscape format where necessary.

I've downloaded some manuals that are multi-file scans of the original. Just put all the images into Word and re-save as a Word doc that's nothing but pictures. Makes it kind of handy to have it in the familiar format with an application where I do most of my work.

72--Nick, WA5BDU

-----Original Message-----

From: Chuck Adams [SMTP:k7qo@earthlink.net]
Sent: Friday, August 16, 2002 8:18 PM
To: Low Power Amateur Radio Discussion
Subject: Dweeb Question re KD1JV web schematic

Gang,

I use Netscape 4.7 and sometimes 6.0 (the latest version I don't care for as it is too busy on the display --- what happened to KISS?).

On Steve Weber's page when I print it with Netscape 4.7 the schematic comes out truncated on the right hand side and the bottom as the schematic comes out on the bottom of the first page.

With Netscape 6.0 the schematic does not appear at all.

All schematics that I post on the web pages are done in PDF format to allow printing without the cropping effect that a lot of software seems to have built in. Is there a way to get around this problem?

Inquiring minds wanna know. Without having to learn more that I want to know. :-)

dit dit es tn timer,

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Sat, 17 Aug 2002 07:40:05 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <wa7spy@attbi.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [132651] Re: Rock Mite enclosure question?
Message-ID: <004501c245f3\$98dd13b0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Glenn & other potential RM builders,

The Rock-Mite PCB measures 2.0 inches x 2.5 inches (from
www.smallwonderlabs.com) vertically you will need ~0.60in +/- your
building/soldering style. and then you will need room for controls and
connectors. see my page <http://www.frii.com/~rwc/r-m/>, and the Rock-Mite
file, <http://www.radioactivehams.com/~n0rc/rm/> for packaging ideas.

On the Rock-Mite files, I have a picture essay about preparing an
Altoids case:
http://www.radioactivehams.com/~n0rc/rm/enclosure/altoids_enclosure.html

73, Rod N0RC
the "Rock-Mite" files
<http://www.radioactivehams.com/~n0rc/rm/>

----- Original Message -----

From: "Glenn Maclean" <wa7spy@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 16, 2002 11:31 PM
Subject: Rock Mite enclosure question?

> I ordered a Rock Mite and waiting for it to show up. I was in a Target
store
> today and saw a tin of gum called Everest Powerful Mint GUM. The tin
is
> slightly smaller and narrower than an Altoids tin. Does anyone know if
the
> Rock Mite will fit in this tin?
>

> Thanks,
> Glenn WA7SPY
>
>

Date: Sat, 17 Aug 2002 09:09:38 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'n2cqr@clix.pt'" <n2cqr@clix.pt>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132652] RE: It's Crystal Clear (first filter) (1,464 words)
Message-ID: <01C245CD.D11016E0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Great success story, Bill. I opined earlier that building crystal filters is out there on the hi-tech edge of our homebrew reality. Another milestone, I think, would be building an SSB rig.

I came in back when dinosaurs walked the earth and SSB and AM roamed the phone bands in approximately equal numbers, competing for hegemony. I was a kid and SSB was that new, amazing thing. It gave voices that weird, robotic sound. Half the space, twice the fire power. High stability VFOs, balanced modulators, heterodyne type transmitters, and super sharp filters. All cutting edge stuff.

So even though I'm a full time CW guy, that's another one of my long term goals. To build an SSB rig.

Speaking of doing it (crystal measurements) without exotic instrumentation, I'm still fooling with the various schemes. Seems every practitioner has his own method. Earlier, I'd mentioned the G3UUR method for measuring L_m and C_m and described in a sidebar to a Hayward article. You just build a simple oscillator and switch a cap in and out of series with the crystal while measuring the frequency. This method produced values of L_m that were over 30% higher than my measurements with the -3 dB bandwidth scheme. I was able to show (I think) that the error was due to the effect of the parallel capacitance.) G3UUR wanted you to use a small C, I guess to override (dominate) the reactance of the feedback caps in the Colpitts circuit.

OK. I've since found another article on measuring crystal parameters by G3JIR in the January 2002 issue of QEX. His article included some plots indicating that the deviation caused by the parallel C is greater when your test C is smaller. So I re-did the scheme but used two *larger* series caps, switch selected, and did the math for Lm based on the difference in frequency. This time my values for Lm are within 3% to 8% of the -3dB point method. (BTW--using K8IQY's two 4:1 transformer jig moved that method closer to the oscillator method as well. Hopefully all these movements are in the direction of reality.)

Again, the problem with the oscillator method is that it gives you the Lm and Cm but not the Rs. You have to fake that.

I still want to try the jig that one poster mentioned--using a resistive attenuator/matcher circuit instead of the 4:1 transformers. That gets you rid of strays but you pay a price of about 40 dB additional attenuation.

Fortunately, my detector is pretty sensitive and my signal generator (multi-pig) is pretty robust. I also want to do away with the little pot and just measure the difference between the crystal and a single fixed resistor in the range of a typical Rs--say ten ohms, then calculate the actual Rs based on the difference in attenuation.

That's the update.

72--Nick, WA5BDU

-----Original Message-----

From: Bill Meara [SMTP:n2cqr@clix.pt]

Nick: I got good results in my effort to widen my three pole filter. I changed the caps from 200 pf (these yielded a bandwidth too narrow for phone) to 50 pf caps. Works fine. I'm listening to a F5BBD on 20 meter SSB right now. Opposite sideband completely eliminated. The shape of these simple filters (often called lower sideband filters) is very good for my application. The skirt is steepest at the high end. Because I'm taking the difference freq out of the mixer (17.79 Mhz - 14.2xx Mhz), at the output from the mixer I'm dealing with an LSB signal (even though 20 is mostly USB). The steep skirt at the high end makes for good "opposite sideband" rejection.

I'm sure that purists could find ripples in the passband to complain about, but I think it is encouraging that it is possible to produce functional filters (both for CW and phone) without getting into all the elaborate tests recommended in some of the articles.

Date: Sat, 17 Aug 2002 08:10:19 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
"cqc-1" <CQCLIST@yahooogroups.com>
Subject: [132653] UPDATED: the "Rock-Mite" file
Message-ID: <007f01c245f7\$d227fd70\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

Bill, KD7Z sent me details on how he modified his Rock-Mites PA to obtain for power. He is now getting 1.5 watts output! Check out the details in the mods section.

73, Rod N0RC
the "Rock-Mite" files
<http://www.radioactivehams.com/~n0rc/rm/>

Date: Sat, 17 Aug 2002 09:55:54 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132654] RE: QRPacificon Building Contest Announcement--SIP Socket?
Message-ID: <01C245D4.4749D700.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Doug said:

5. Each VX0 must use a SIP socket for 1 crystal. (If you parallel more than 1 crystal, you only have to socket 1 crystal.) All entries will use the same Official NorCal Great VX0 Contest Crystal (that is stored in a Mayonaise jar in my Radio Room under lock and key until the contest) during testing.

What's the deal on this SIP socket thing? Some "Hint & Kink" I missed? I have a hard time coming up with sockets for those little bitty wire lead (HC-49/U?) crystals, so somebody clue me in.

72--Nick, WA5BDU

Date: Sat, 17 Aug 2002 10:55:48 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <carlseye@tampabay.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132655] Re: rock-mite
Message-ID: <004101c245fe\$2d111860\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Do it just the opposite way, use a latching relay, with a diode in the
coil
> line such that the relay will not close if the polarity is wrong. The
govt.
> used this in many radios of years gone by !!!!It requires two
pushbuttons,
> one normally open, to close the coil ckt to turn it on , the other a
> normally closed , in series with the latching contacts, to open the ckt.
to
> turn it off. works fine , try it !!!
> carl / kz5ca

Hmm, pretty simple!

Years ago, in the early TRS-80 days, one of the worst things that could happen was a power glitch. Turning off was fine, but a quick off-on could be really bad for data. So I set up my power strip with a relay so that I hit a button to turn it on, and then the relay 'held itself' latched. If power failed, then it opened and I could restart manually by punching the button again, only now it's be after a few seconds. I also had a pushbutton to 'break' the circuit so it would turn off.

Only trouble was with the relay setup like this, you use power to hold the relay latched. And you have to use a regular relay so that it will fall open on power fail.

For this application, I think you'd want a real latching relay, not a regular relay in a latching circuit. That way the on mode would not take any power, it would just 'be'. But, you could set the relay up so with a diode it would break the circuit.

For that matter, you could just set a relay up so that it always was closed, but power in reverse would energize the relay to OPEN. That way, in correct operation, there would be no power wasted. (And hopefully the 'open' would occur quick enough to prevent any damage!)

Mike

Date: Sat, 17 Aug 2002 10:51:10 -0500
From: MIKE SOUHRADA <wb9iog@revealed.net>
To: N4SKS@cs.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132656] Re: Trade Brown Bros. Paddle/Endorsement
Message-ID: <3D5E70EE.D20BAEC@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

N4SKS@cs.com wrote:

> I have a nice Brown Bros. Mach. Co. Model BTL paddle . It is in very nice
> condx but not mint.

> Les K4NK

FYI this is a classic paddle no longer made. I have one and it's very very smooth.

Also have the CTL-A will never sell either.

So go for it. Far better than anything made today.

Mike

Iowa

Date: Sat, 17 Aug 2002 11:06:06 -0500
From: "KD5NWA" <KD5NWA@mbayona.com>
To: <myetsko@insydesw.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [132657] RE: rock-mite
Message-ID: <NGBBJPBA0LKEABLLGGKBIENOCCAA.KD5NWA@MBayona.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Generally its not a good idea to apply inverted power to a unit then hope your protection circuitry will remove the power in time. Tantalum capacitors can fail in milliseconds if power is applied backwards, and some IC's can be damaged also. The best way to protect a device is not to allow power in, unless it is ok, that can be done very simply, a diode in series with the power lead, on the load side a relay with the coil connected between ground and the output of the diode, one set of N.O. contacts going across the diode. If power is connected correctly, the relay coil receives power activating the relay, which then proceeds to bypass the diode so you get full power, if the power is backwards, the coil will not get any power and won't activate protecting your gear. The advantage this configuration has is that it completely automatic, no push buttons needed. Your need to use something like a reed relay with a very low current coil so you don't use too much power for the relay.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Mike Yetsko
Sent: Saturday, August 17, 2002 9:56 AM
To: Low Power Amateur Radio Discussion
Subject: Re: rock-mite

> Do it just the opposite way, use a latching relay, with a diode in the coil
> line such that the relay will not close if the polarity is wrong. The govt.
> used this in many radios of years gone by !!!!It requires two pushbuttons,
> one normally open, to close the coil ckt to turn it on , the other a
> normally closed , in series with the latching contacts, to open the ckt. to
> turn it off. works fine , try it !!!
> carl / kz5ca

Hmm, pretty simple!

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I hit a button to turn it on, and then the relay 'held itself' latched.
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failed, then it opened and I could restart manually by punching the button
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'break' the circuit so it would turn off.

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relay latched. And you have to use a regular relay so that it will fall
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on power fail.

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regular
relay in a latching circuit. That way the on mode would not take any
power, it would just 'be'. But, you could set the relay up so with a
diode
it would break the circuit.

For that matter, you could just set a relay up so that it always was
closed,
but power in reverse would energize the relay to OPEN. That way, in
correct operation, there would be no power wasted. (And hopefully
the 'open' would occur quick enough to prevent any damage!)

Mike

Date: Sat, 17 Aug 2002 10:20:19 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-l" <qrp-l@lehigh.edu>, <nkennedy@tcainternet.com>
Subject: [132658] RE: QRPacificon Building Contest Announcement--SIP Socket?
Message-ID: <032e01c24612\$5e3b1080\$1fa3ad40@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Nick. A NorCal member by the name of Denis Englander was the first one
to show this idea to me. The leads on a HC49U crystal are .2" apart. Thus
if you use a SIP strip socket, you can break off 3 pins and have an instant
crystal socket. (Well not quite instant, as you do need to clip off the
center pin, grin.) It is one of those slap your forehead kind of things

that make you say, "Why didn't I think of that?" Here is my feeble attempt at an ascii drawing.

--- HC49U Crystal

```
o o o    --- SIP Header
| | |      [Note: Clip center pin off]
```

Hope this helps. 72, Doug

Date: Sat, 17 Aug 2002 14:02:28 -0500
From: "Jeff Davis" <ke9v@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132659] AE4GX on AT
Message-ID: <000d01c24620\$a2431bc0\$9800a8c0@N9AVG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just worked Sam at Woody Gap on the AT.

7.040mhz.

Go get him!

--
Jeff, KE9V

Date: Sat, 17 Aug 2002 15:03:49 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: MIKE SOUHRADA <wb9iog@revealed.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132660] Re: Trade Brown Bros. Paddle/Endorsement
Message-ID: <20020817150307.R83552-100000@unix1.vhost.min.net>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 17 Aug 2002, MIKE SOUHRADA wrote:

> Also have the CTL-A will never sell either.
> So go for it. Far better than anything made today.

Geez, I made the tragic mistake of offering to actually buy the thing (g).

thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and Drake Mail List Pages

Date: Sat, 17 Aug 2002 12:17:45 -0700
From: "K7FD N7SG" <k7fd@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [132661] Re: AE4GX on AT
Message-ID: <F162PasSmz6UuEhjJ8u0000a17d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

...and on 14.060MHz at 1923Z...

73 John K7FD

>From: "Jeff Davis" <ke9v@att.net>
>Reply-To: ke9v@att.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: AE4GX on AT
>Date: Sat, 17 Aug 2002 14:02:28 -0500
>
>Just worked Sam at Woody Gap on the AT.
>
>7.040mhz.
>
>Go get him!
>
>--
>Jeff, KE9V

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sat, 17 Aug 2002 13:04:58 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: <qrp-1@lehigh.edu>
Subject: [132662] Components at Radio Shack??
Message-ID: <006501c24629\$742e73c0\$5b393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I noticed someone lately mentioned something about RS discontinuing
> components....is this true?
>
> I went down to the local Rat Shack to pick up the off-board stuff for the
> MityBox and they did not have the pushbutton switch or the pot in fact
their
> component selection was pitifull...So I'm gonna set up the holes for the
> stuff I already have from Mouser...
>
> TNX,
>
> Doug Hauff KE6RIE
>

Date: Sat, 17 Aug 2002 12:33:11 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: <qrp-1@lehigh.edu>
Subject: [132663] MityBox progress/Controls
Message-ID: <004201c24625\$03f02800\$5b393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have not cut metal yet but have it pretty much programmed...Prob'ly Monday nite I can start on the proto.

Turns out the pot and the key jack can share the same size hole no problem...so the ends will be set up for key jack and gain pot either front or rear, no label...and if you don't want a gain control no big deal to stick something in the hole in the back.

...Duh.....

72, Doug Hauff KE6RIE

Date: Sat, 17 Aug 2002 12:46:35 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [132664] Re: Dweeb Question re KD1JV web schematic
Message-ID: <MABBJOEABOILMKCJCLFCKEFCIDIAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chuck

When I have this problem, I copy the schematic into Microsoft Word and resize it to the space available. Also, sometimes it helps to switch to Landscape mode instead of Portrait when printing.

73, Bob N6WG

Date: Sat, 17 Aug 2002 14:11:17 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Chuck Adams <k7qo@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132665] Re: Dweeb Question re KD1JV web schematic
Message-ID: <Pine.LNX.4.44.0208171356320.2869-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Chuck, I went to <http://www.qsl.net/kd1jv/> web page and with my linux Mozilla web browser which someone just told me if I type f9 the sidebar disappears and it DOES! Thanks! and found the AAPB Analog Audio Processor Board page with the schematic.

components than they used to, and they were easier to find. Now, it still wasn't a lot, but they have changed to putting the components in drawers so they can cram more into a smaller space. The company must have determined how the drawers were arranged, because they were logically organized, in contrast to the more or less random organization the components used to have.

Now radioshack.com is a different matter. They used to have lots of stuff at good prices. Now it's all still in the catalog, but the only stuff you can actually order online is the same stuff, and prices, as the stores.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Doug Hauff" <dhauff@digitalputty.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, August 17, 2002 4:04 PM
Subject: Components at Radio Shack??

>
>
> > I noticed someone lately mentioned something about RS discontinuing
> > components....is this true?
> >
> > I went down to the local Rat Shack to pick up the off-board stuff for
the
> > MityBox and they did not have the pushbutton switch or the pot in fact
> their
> > component selection was pitifull...So I'm gonna set up the holes for the
> > stuff I already have from Mouser...
> >
> > TNX,
> >
> > Doug Hauff KE6RIE
> >
>

Date: Sat, 17 Aug 2002 17:02:11 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>,
 soc@mailman.qth.net
Subject: [132667] (Fwd) Nontesting - for beginners
Message-ID: <3D5E8193.2902.5CA3696@localhost>

MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: Quoted-printable
Content-description: Mail message body

I received the following on another list. While not strictly QRP, much of what is said reminded me of the recent antenna discussions, etc.

----- Forwarded message follows -----

NONTESTING FOR BEGINNERS

Chateau La Garrigue is a very enjoyable wine from the vineyard of Derek F5VEX and Val G4MCD Austin. It was whilst partaking of a few glasses of this excellent Bergerac Red, during dinner at the Fredrichshaven Hamfest 2001, that several well-known DXers and myself realised much had been written about the science, art and discipline of contesting, but very little had been done to encourage people to take up Nontesting. This article will hopefully rectify the situation.

Definition of Nontesting:

An element of Amateur Radio that can be undertaken with least effort and knowledge.

Skills Base

There are many skills that the disinterested nontest operator can develop:

Station Cobbling, Antenna Networks, Bitofalift knowledge and Waffling to name but most.

Station Cobbling - Simplicity is the keyword here. A radio with matching speaker, fist or preferably desk microphone, all band antenna tuning unit, log book, note pad and a supply of pencils. There is a wide choice of radios.

Some people prefer the older type of equipment, with no bells and whistles

whilst others prefer the latest model with numerous bells and whistles.

The

matching speaker is necessary to maintain the brand line. Desk microphones are

very useful when waffling since they have a lock button, which can be

used to keep the microphone switched on. It really is quite tiring when gripping the pressel button continuously on a fist microphone for half an hour or so. When choosing a tuning unit, you should take account of your local neighbourhood. With close neighbours, many of the associated problems of interference that you may cause can be reduced by choosing an SPC type. The main advantage being that you will not need to reduce the power from your transmitter yourself because the unit will do it automatically for you. Your favourite emporium, as nontesters call their retail outlet, will stock various types and you may even be able to find a matching one. Non-enthusiasts living out in the countryside may wish to consider building their own matching unit, in this case the parallel tuned circuit will provide more gain than the SPC type, though it doesn't have the auto power reduction facility.

Antenna Networks - The first point to learn here is despite all those knowalls tell you, there is absolutely no connection between antennas and bitofalifts. =93If you can hear them you can work them.=94 It is no secret that by far best antenna is the G5, formerly known as the G5RV or sometimes the 5RV. The half-sized version works just as well as does adding loading coils. Both can be bought quite readily which not only means freeing up valuable waffling time but also saves spending hours supposedly enjoying yourself assembling masts, rotators, beams and antenna switching systems. The G5 is a versatile aerial that can be made to work on any band, but you do have to be careful on the orientation. Remembering your theory, a dipole always shows the classic figure 8 pattern, hence the well known saying, =93My G5 lies East-West so therefore my best direction is North-South=94 Usually heard on 80m from a nontester using a G5 25ft high. This is a proven fact of Antenna Networking and shouldn't be

confused with the mumbo-jumbo from so-called experts. These people often will try to convince you that antenna height matters and will throw silly phrases around such as "High Angle Radiation."

Bitofalift is the technical word used to describe how nontesters use the radio waves to establish waffle-mode with each other. It originated when a group of nontesting enthusiasts observed that at certain times on 40m, particularly when using a low G5, they were able to make contacts over a short range, say within the UK or UK to near Europe. Don't worry, there is nothing technical about bitofalift, though some of the techies like to talk about Spradic Ease and Solder Flux.

Waffling - This is the real reason for taking up nontesting. The hobby is all about transmitting and a good waffler is able to make long transmissions without having to resort to the ludicrous 59 001 business. It is important to repeat what the other person has said to you, partly because he will probably have forgotten what he had said and also to let him see that in fact you were actually listening to him. This will aid his confidence for his next long over. It is considered polite and good technique to respond to his comments in the order in which they were spoken. A detailed reply is helpful. After this has been done, you may then make some comments of your own on other subjects.

Many wafflers hunt in packs, taking it in strict rotation who will transmit next. This is most important, particularly with senior members as they may otherwise take offence. There are several areas of etiquette to observe here. Firstly, you should always "Pass it to ." "ignoring any snide comments such as "but is IT contagious?" If you are in a Net, then always list who takes it

next and then who takes it and so on. This is much more gentlemanly.
Using
phrases such as "85. to take" and "in the group" rather than "85. to take
it"
or "and the group" will enhance your standing in the Net.

A very useful technique is to use QSL where-ever possible. This is the
sign of
a seasoned non-operator. The voice should be slightly raised when saying
this
to give the impression that you are making a statement and not requesting
one
of those expensive card things. For instance, "I am using a half sized G-
5
here, QSL" It also indicates that you have stopped transmitting.

At this stage, it is necessary to introduce some more advanced Nontesting
techniques, as a few Nontesters have admitted actually enjoying "chasing"
DX,
as it is known.

Calling CQ is the best way, listening just wastes transmitting time, when
in a
pack, you should always indicate this by adding "85. with company." T=
his
serves
two purposes, the choice DX can snag two Nontesters in one go, but more
importantly, your companion(s) will beam with pride at having the title
transmitted on the airwaves, (another good word to use).

It is a proven fact that CQs which are ended by "Over, over" are
guaranteed to
find more DX. This is possibly due to the extra transmitting time used.

If you do choose to listen for DX, you might here some very loud
stations,
saying they want DX only. Ignore that and call them, because they
appreciate
anyone telling them how loud they are. These people are just egoists who
pretend they are working some distant station that you can't hear.

The Leest, the final piece of advice and probably overall the most
important
is wherever possible join a leest. If you hear lots of stations on one
frequency, it will most likely be people trying to join a leest. You can
always tell because the controller will keep saying "I have you." The

beauty
of a leest is that you actually get to work the station twice. Firstly,
when
you hear the magic words =93I have you=94 then secondly when you are invit=
ed
to
make a contact. Some people prefer not to bother with the second contact
as it
just wastes time.

I do hope this article has been helpful and that it serves to enhance
your
nontesting. You probably won=92t hear me as I will be working some choice
DX or
operating in a Contest.

Chris Burbanks G3SJJ

----- End of forwarded message -----
--

/\ /\ /\ /\ /\ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
/ _/_ _/_ _/_ _/_ QRPARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sat, 17 Aug 2002 17:07:58 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <ki6ds@dospalos.org>, <nkennedy@tcainternet.com>
Subject: [132668] Re: QRPacificon Building Contest Announcement--SIP Socket?
Message-ID: <005901c24632\$2cba2120\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Doug Hendricks" <ki6ds@dospalos.org>
Subject: RE: QRPacificon Building Contest Announcement--SIP Socket?

> Hi Nick. A NorCal member by the name of Denis Englander was the first one
> to show this idea to me. The leads on a HC49U crystal are .2" apart.

Dennis must have been looking at my website <g>

<http://www.qsl.net/wb8rcr/images/SMK1/65204A19.jpg>

Actually, if you heat the center pin you can just pull it out instead of clipping it. The picture has text around it at the bottom of:

<http://www.qsl.net/wb8rcr/SMK1.html>

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sat, 17 Aug 2002 17:31:57 EDT
From: N4SKS@cs.com
To: qrp-l@lehigh.edu
Subject: [132669] Trade tuner
Message-ID: <11b.1505c208.2a901acd@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have a Long wire tuner called a Unique Wire Tuner . It is designed for QRO (looks about 1 KW) , has a turns counter on it . Very nice except one knob is cracked. Would trade for any thing QRP.

Also found a Icom hand mic HM-56a with a ttp on back and 8 pin standard plug. I don't know anything about it or where I got it . Might work , might not don't know . Trade any thing QRP ?

72 Les K4NK

Date: Sat, 17 Aug 2002 21:32:23 GMT
From: skydive@runswithscissors.us
To: qrp-l@lehigh.edu
Subject: [132670] More stuff to sell or trade for QRP gear
Message-ID: <20020817213223.22490.qmail@aux153.plano.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I'm back on the air. Moved to Alabama (from the mountains of NC) a couple weeks ago and found a few more things I should have gotten rid of

before I left:

I bought a display model Kenwood TKR-850 440 to 470 Mhz for a friend who then backed out and stuck me with the thing. It's a 40 watt repeater that will run 100% duty cycle at 20 watts. has all the bells and whistles PL, DPL (multiple PLs and DPLs can be programmed), CWID lots of programable input and output functions. It can also be used as a 16 channel scanning base station. I have the service manual, programing software and the programing cable. The thing is brand new just a couple scratches from handling while on display. List is \$1500. I paid \$795 for it and would sell it for that or trade for a solid state HF rig with general coverage receive and QRP capability. The smaller the better (an SGC would be great but almost anything would be acceptable as I have absolutely no use for the repeater).

Marconi TF-2300 AM modulation / FM deviation meter. 4 to 1200 MHZ tanable. Analog display, scope / audio output, works great, looks very good. \$150 plus shipping or will trade for QRP gear, antenna tuner or very small 2 meter mobile rig (it has to fit into an already overcrowded VW near the K1).

E-mail: skydive@runswithscissors.us

72

Bob WB8CAC
<http://www.runswithscissors.us>

Date: Sat, 17 Aug 2002 15:52:27 -0600
From: "P.Ermisch" <ermisch@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132671] Re: [Components at Radio Shack??]
Message-ID: <20020817215227.25901.qmail@uwdvg008.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

The guy at my local RS said he used to work for the 'dot-com' store. We = both lamented it's passing but he said he believed that the local stores were = going to continue to carry components. However, it would all be moved to drawe= rs to clear rack space for other 'consumer' eye-candy. In fact, when I was in

there, they were moving stuff around quite a bit and I thought I noticed =
more
components than previous.

Paul KB0LUR

"Doug Hauff" <dhauff@digitalputty.com> wrote:

> =

> =

> > I noticed someone lately mentioned something about RS discontinuing
> > components....is this true?

> >

> > I went down to the local Rat Shack to pick up the off-board stuff for=
the

> > MityBox and they did not have the pushbutton switch or the pot in fac=
t

> their

> > component selection was pitifull...So I'm gonna set up the holes for =
the

> > stuff I already have from Mouser...

> >

> > TNX,

> >

> > Doug Hauff KE6RIE

> >

> =

Date: Sat, 17 Aug 2002 15:52:35 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: "Bob W7AVK" <rsrolfne@atnet.net>
Cc: <qrp-1@lehigh.edu>
Subject: [132672] Re: MityBox progress/Controls
Message-ID: <000c01c24640\$de5ec800\$27393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bob,

If that's Steve Weber's board you are talking about, we have commicated about it and figger it will fit no problemo...

72, Doug KE6RIE

----- Original Message -----

From: "Bob W7AVK" <rsrolfne@atnet.net>

To: <dhauff@digitalputty.com>

Sent: Saturday, August 17, 2002 1:29 PM

Subject: Re: MityBox progress/Controls

> Doug - Have been following you box project and I think I'll be adding my
> name to your customer list if possible. But a question. I seem to pick
> up
> there
> is to be companion size board which is an Active Audio Filter and other
> goodies
>
> for the ROCK MITE. Would be neat if your box could fit the two cards one
> on
> top of the other.
>
> Any information on this?
>
> 73 Bob W7AVK
>
>
>
> Doug Hauff wrote:
>
> > Have not cut metal yet but have it pretty much programmed...Prob'ly
Monday
> > nite I can start on the proto.
> >
> > Turns out the pot and the key jack can share the same size hole no
> > problem...so the ends will be set up for key jack and gain pot either
front
> > or rear, no label...and if you don't want a gain control no big deal to
> > stick something in the hole in the back.
> >
> > ...Duh.....
> >
> > 72, Doug Hauff KE6RIE
>

Date: Sat, 17 Aug 2002 15:59:42 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: <qrp-l@lehigh.edu>
Subject: [132673] MityBox components
Message-ID: <003101c24641\$dcadee40\$27393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sounds like the stuff is still available at RS so i will make sure RS
components will fit...there is another store in the area & I'll check 'em
out.

72,

Doug Hauff KE6RIE

End of QRP-L Digest 2650
